



INVESTIGATOR'S ANNUAL REPORT

United States Department of the Interior
National Park Service

All or some of the information you provide may become available to the public.

OMB # (1024-0236)
Exp. Date (11/30/2010)
Form No. (10-226)

Reporting Year: 2009	Park: Shenandoah NP	Select the type of permit this report addresses: Scientific Study	
Name of principal investigator or responsible official: David Evers		Office Phone: 207-839-7600	
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Additional investigators or key field assistants (first name, last name, office phone, office email) Name: Tim Divoll Phone: 207-839-7600 Email: tim.divoll@briloon.org Name: David Yates Phone: 207-839-7600 Email: dave.yates@briloon.org			
Project Title (maximum 300 characters): Disentangling Mercury Pollution from Other Ecoregional Threats: An Information Theoretic Approach Applied Across Disturbance Gradients in the Northeastern United States			
Park-assigned Study or Activity #: SHEN-00364	Park-assigned Permit #: SHEN-2009-SCI-0008	Permit Start Date: Apr 07, 2009	Permit Expiration Date: Aug 31, 2009
Scientific Study Starting Date: Apr 07, 2009		Estimated Scientific Study Ending Date: Aug 31, 2009	
For either a Scientific Study or a Science Education Activity, the status is: Completed		For a Scientific Study that is completed, please check each of the following that applies: <input checked="" type="checkbox"/> A final report has been provided to the park or will be provided to the park within the next two years <input type="checkbox"/> Copies of field notes, data files, photos, or other study records, as agreed, have been provided to the park <input type="checkbox"/> All collected and retained specimens have been cataloged into the NPS catalog system and NPS has processed loan agreements as needed	
Activity Type: Research			
Subject/Discipline: Mammals			

Purpose of Scientific Study or Science Education Activity during the reporting year (maximum 4000 characters): We will collect field data to fill gaps in existing information and use geographic statistics to distinguish the ecological effects of atmospheric mercury pollution from those of other key regional stressors across a gradient of disturbances and physical and biotic conditions in the northeastern United States (Eastern U.S. Conservation Region); the results will include a predictive model of the geographic distribution of ecotoxic risk. Additionally, we will seek support for a regional conference addressing mercury pollution from both environmental and human health perspectives.
Findings and status of Scientific Study or accomplishments of Science Education Activity during the reporting year (maximum 4000 characters): We captured 20 bats in SNP. Each bat was sampled for fur Hg contamination. Results are pending.

For Scientific Studies (not Science Education Activities), were any specimens collected and removed from the park but not destroyed during analysis?

No

Funding specifically used in this park this reporting year that was provided by NPS (enter dollar amount):

\$0

Funding specifically used in this park this reporting year that was provided by all other sources (enter dollar amount):

\$0

List any other U.S. Government Agencies supporting this study or activity and the funding each provided this reporting year:

Paperwork Reduction Act Statement: A federal agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. Public reporting for this collection of information is estimated to average 1.625 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the forms. Direct comments regarding this burden estimate or any aspect of this form to Dr. John G. Dennis, Natural Resources (3127 MIB), National Park Service, 1849 C Street, N.W., Washington, DC 20240.